

Title (en)

Farady cage, particularly for nuclear magnetic resonance applications

Title (de)

Faraday-Käfig für Anwendungen auf dem Gebiet der magnetischen Kernresonanz

Title (fr)

Cage de Faraday en particulier pour des applications à la résonance nucléaire magnétique

Publication

EP 1018860 B1 20070117 (EN)

Application

EP 99121186 A 19991022

Priority

IT SV980069 A 19981126

Abstract (en)

[origin: EP1018860A2] The invention relates to a Faraday cage, particularly for Nuclear Magnetic Resonance applications, comprising grounding means. According to the invention, the cage has the form of a prefabricated room or closet, which can be installed inside existing premises, without requiring building works, and includes preferably modular prefabricated parts (101, 201, 601, 701, 901, 2, 7, 16, 17), made of an electrically conductive material, which can be assembled together by mechanical and electric connection means (301, 501, 14, 15). According to an important characteristic, the surfaces of the cage walls have a plurality of apertures, particularly holes (302), having such characteristics as to allow effective communication with the outside environment, both in terms of lighting and venting, in combination with a predetermined level of electromagnetic noise suppression. <IMAGE>

IPC 8 full level

G01R 33/422 (2006.01); **H05K 9/00** (2006.01)

CPC (source: EP US)

G01R 33/422 (2013.01 - EP US); **H05K 9/0001** (2013.01 - EP US)

Cited by

IT201800009127A1; WO2019204679A1; US10761156B2; US11231470B2; US11614505B2

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